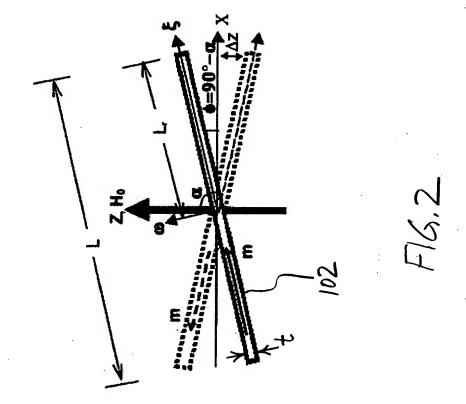


FIG.1B



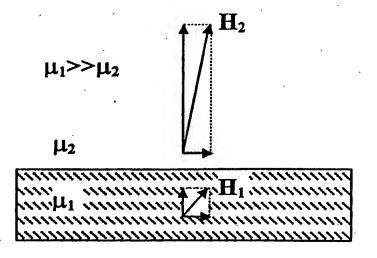
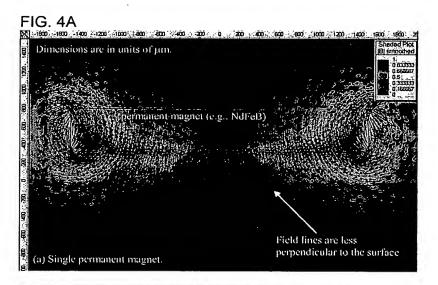


FIG.3



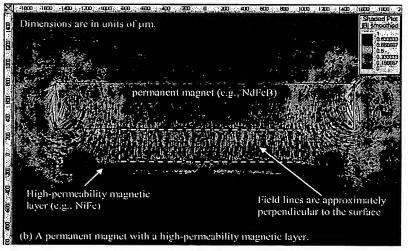
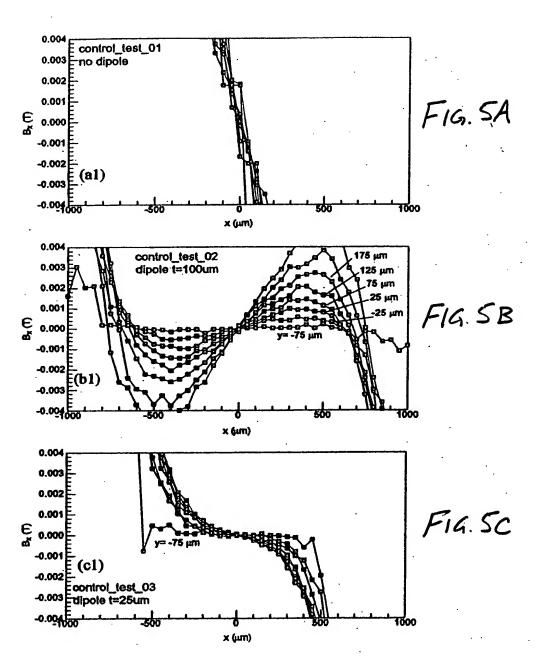
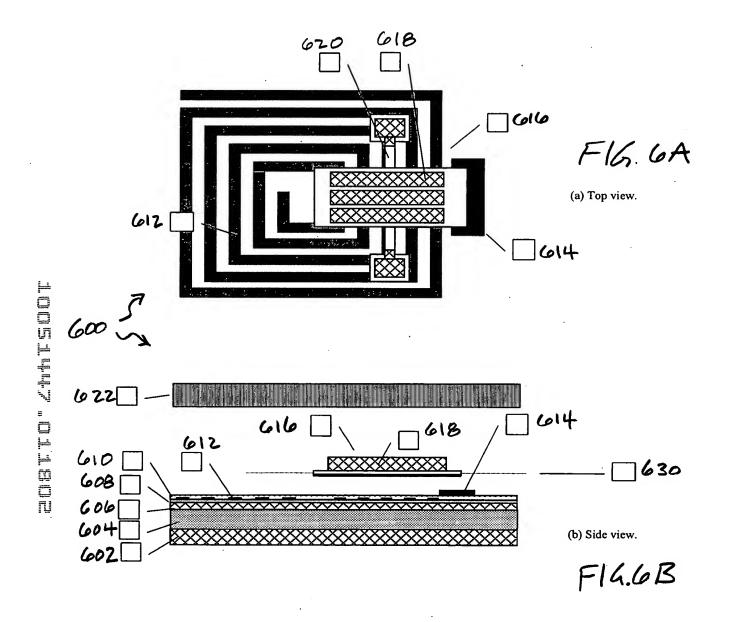
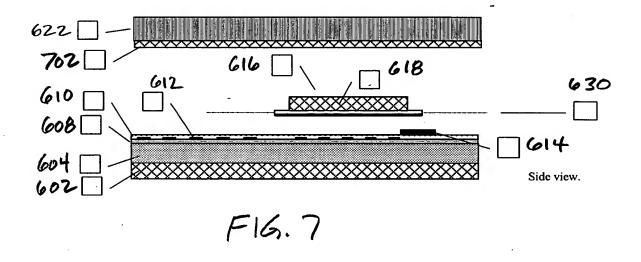
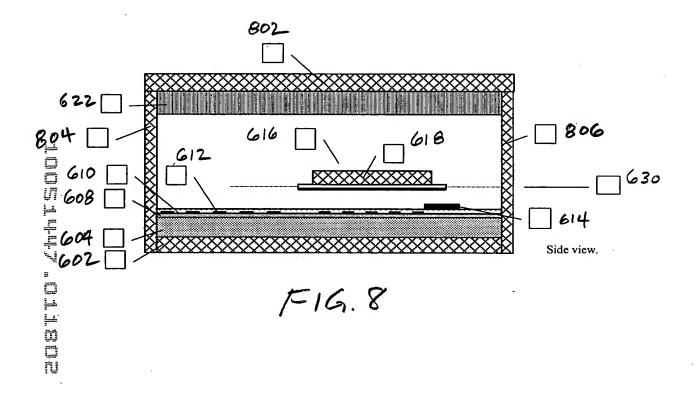


FIG. 4B









F16.9A

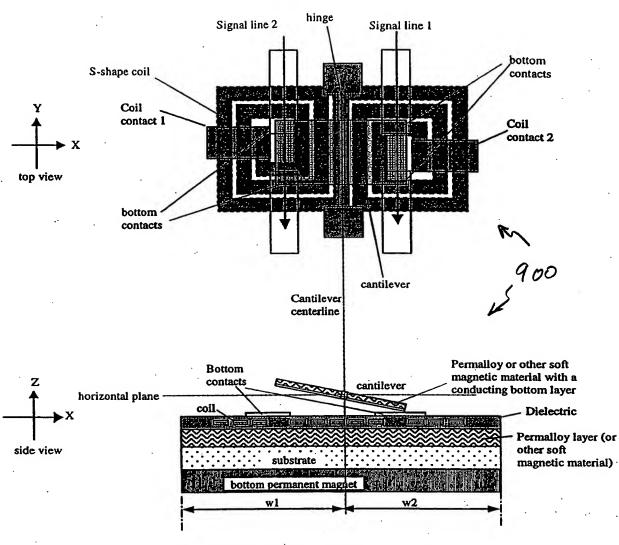
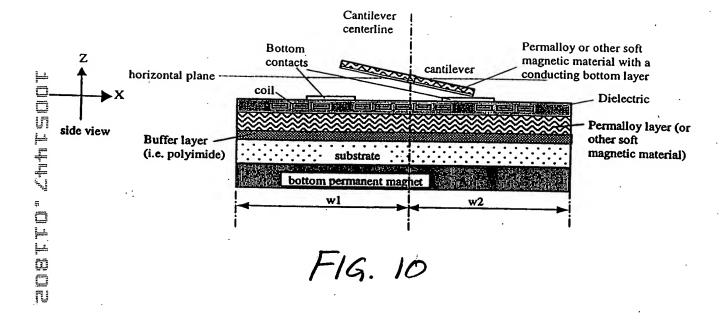
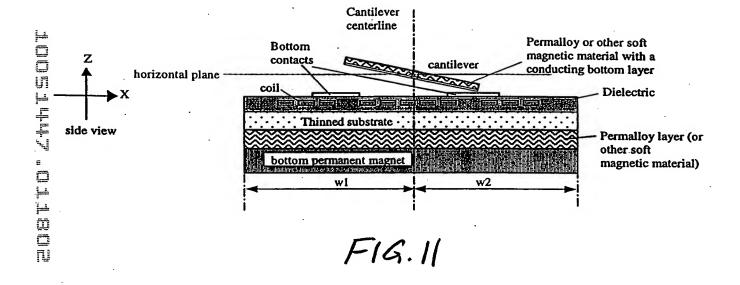
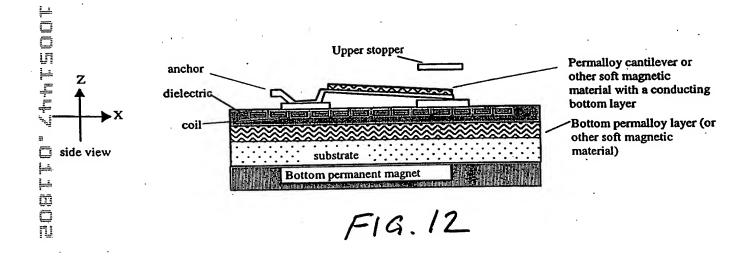


FIG. 9B



EL608987215US





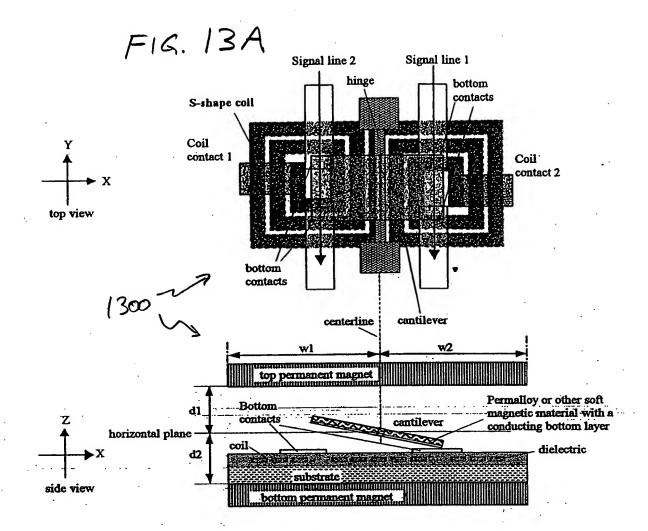
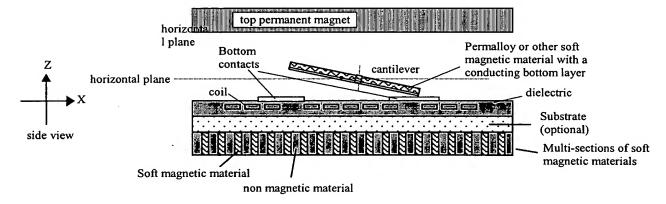
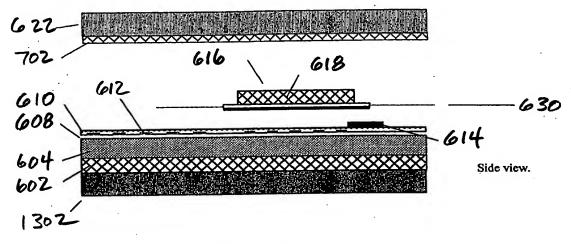


FIG 13B



F16. 13C



F1G. 13D

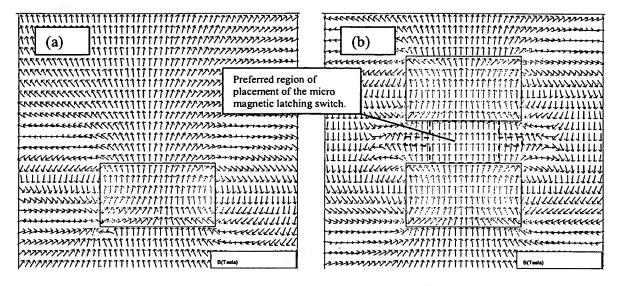
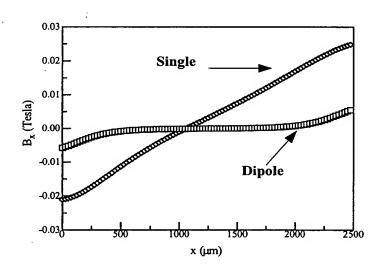


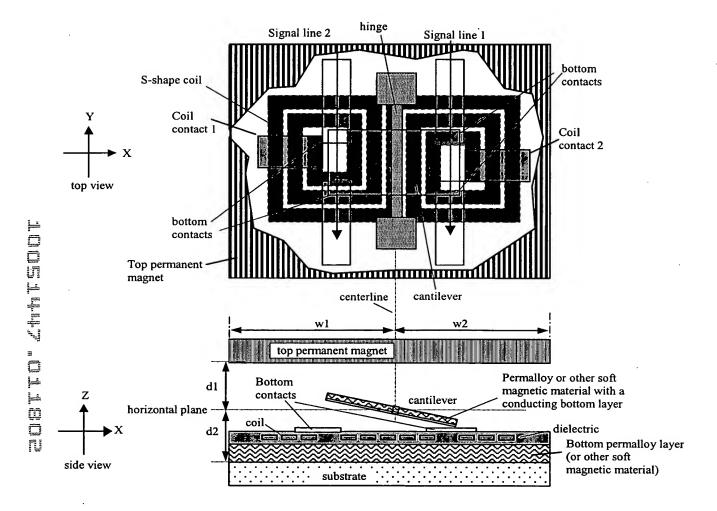
FIG. 14A

FIG. 14B

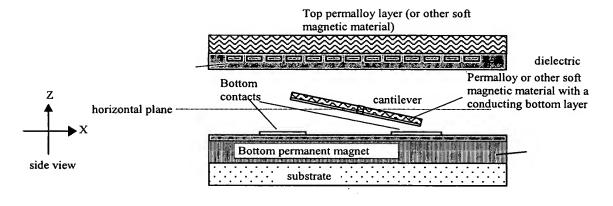


F14. 14C

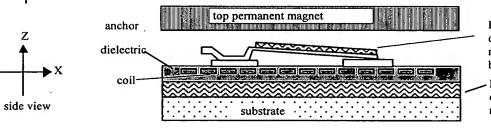
FIG. 15A



F16.15B



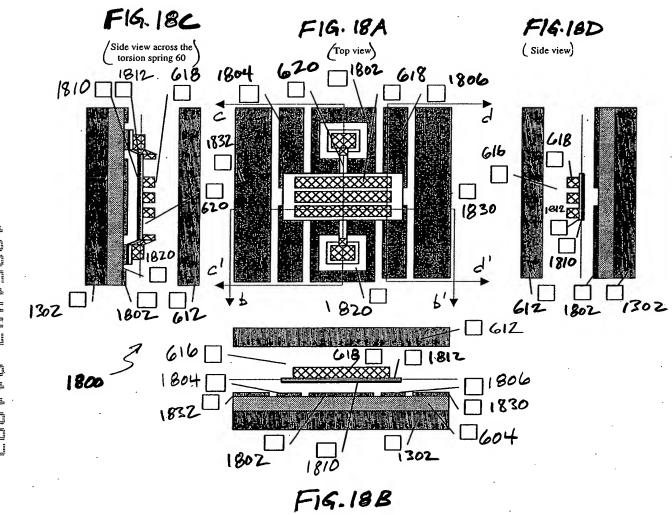
F14.16

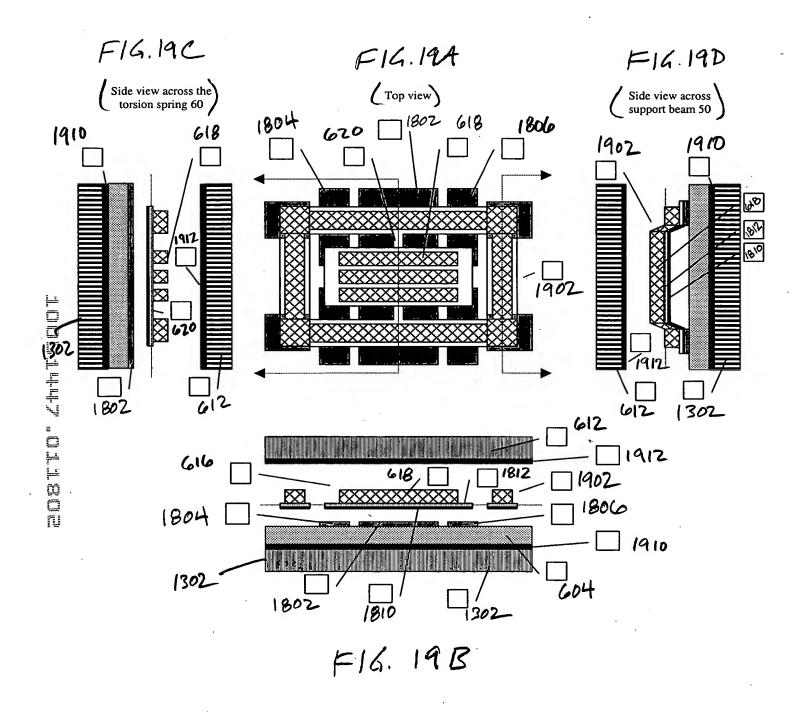


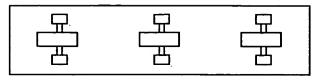
Permalloy cantilever or other soft magnetic material with a conducting bottom layer

Bottom permalloy layer (or other soft magnetic material)

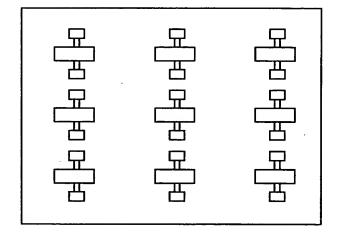
FIG. 17





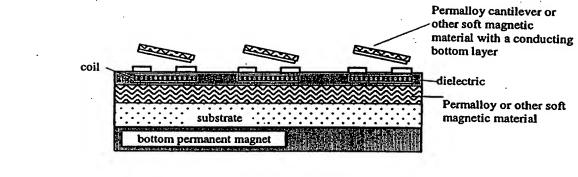


F16.20



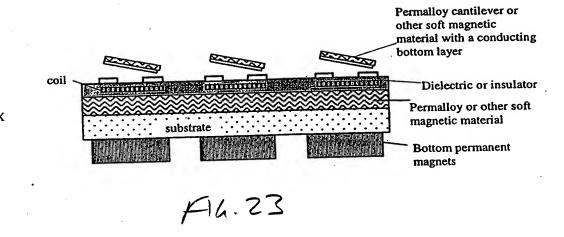
F16.21

side view

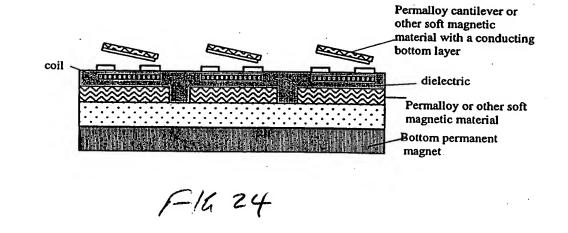


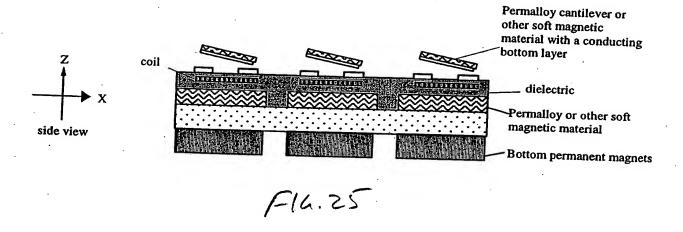
Z

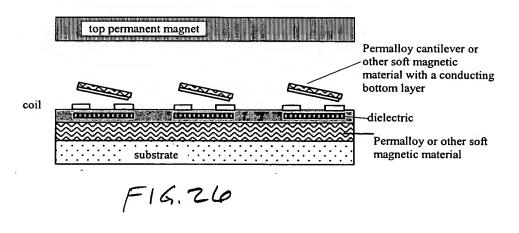
side view

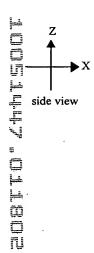


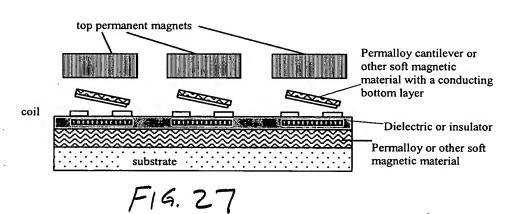
side view



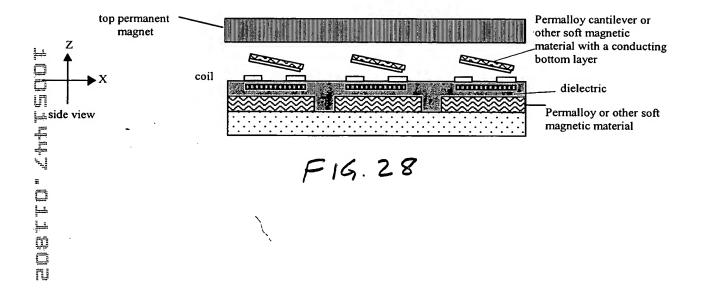








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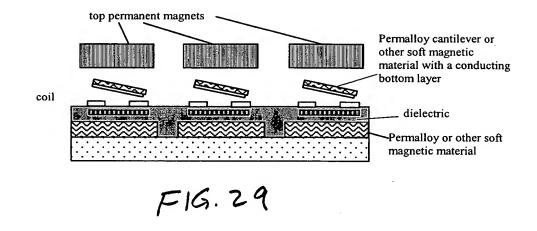
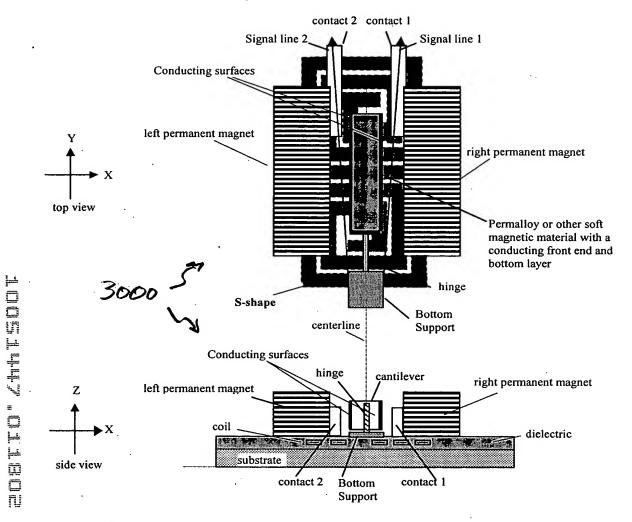
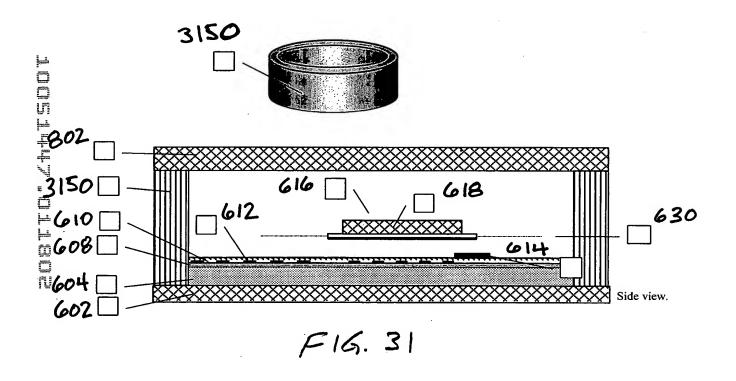


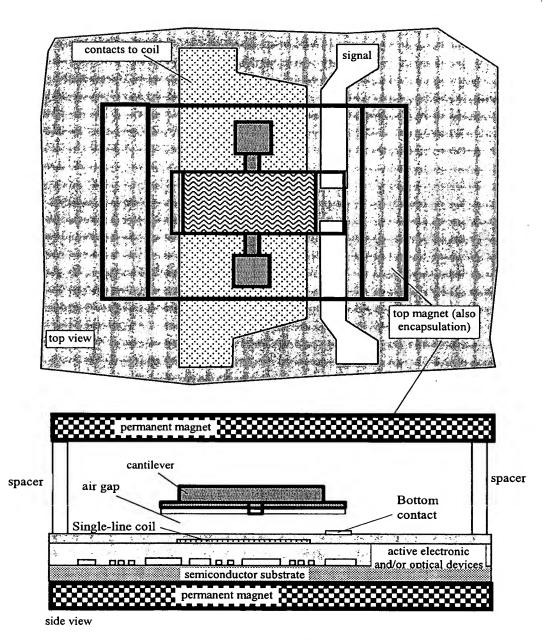
FIG. 30A



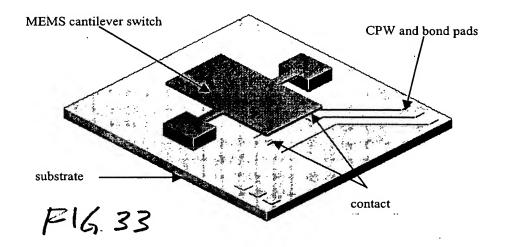
F1G. 30B

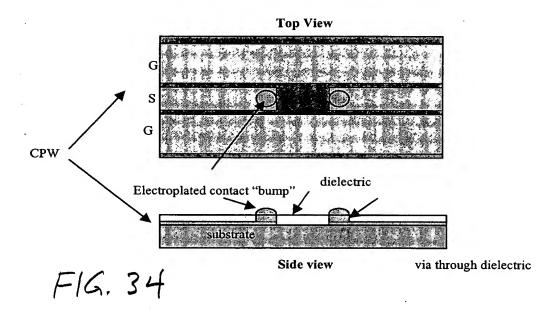


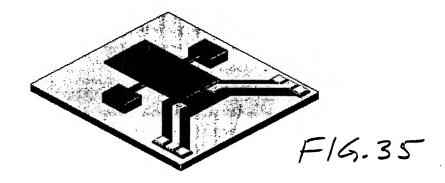
F16. 32A



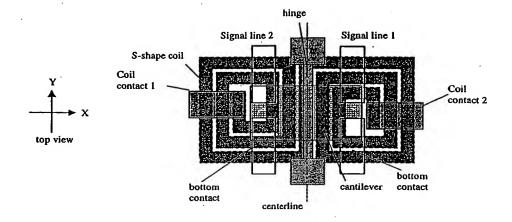
F16.32B

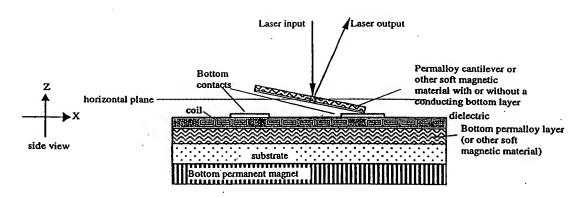






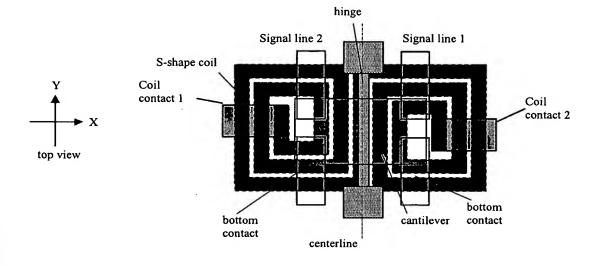
F16.36A

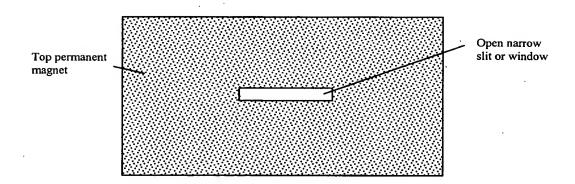




F14. 36B

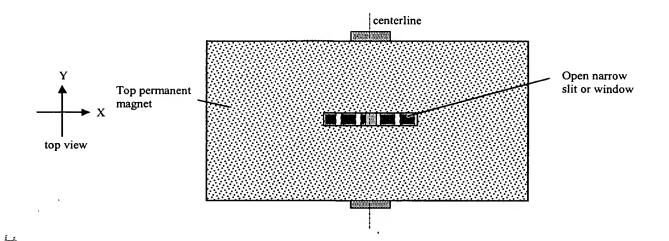
F16. 37A

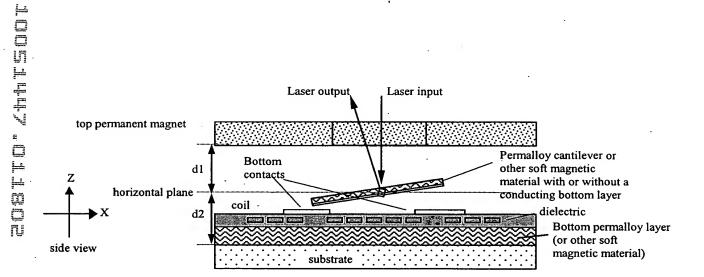




F16. 37B

F14.37C





F16. 37D

